

Title (en)
AN ELECTROLYSIS SYSTEM WITH A BUFFER TANK

Title (de)
ELEKTROLYSESYSTEM MIT PUFFERTANK

Title (fr)
SYSTÈME D'ÉLECTROLYSE AVEC RÉSERVOIR TAMPON

Publication
EP 4281603 A1 20231129 (EN)

Application
EP 22741420 A 20220119

Priority
• DK PA202100069 A 20210122
• DK 2022050008 W 20220119

Abstract (en)
[origin: WO2022156868A1] An electrolysis system with a buffer tank An electrolysis system for production of hydrogen and/or oxygen comprising a stack of electrolysis cells inside a pressure vessel (18). Each electrolysis cell in the stack comprises a membrane (82A, 82B) and a cassette (12) made of a bipolar plate (74) sandwiched by a cathode (30B) and an anode (78) forming a cathode compartment and an anode compartment on each side of the bipolar plate (74). The stack is enclosed in a container constituting a buffer container for storing hydrogen released in the stack. The stack has an outlet constituting a hydrogen outlet for flow of hydrogen gas into said buffer container for filling the buffer container with hydrogen gas.

IPC 8 full level
C25B 9/05 (2021.01); **C25B 1/04** (2021.01)

CPC (source: DK EP)
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BA ME

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KH MA MD TN

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